Finding Value in Tough Times

"Do the Analytics"

presented by

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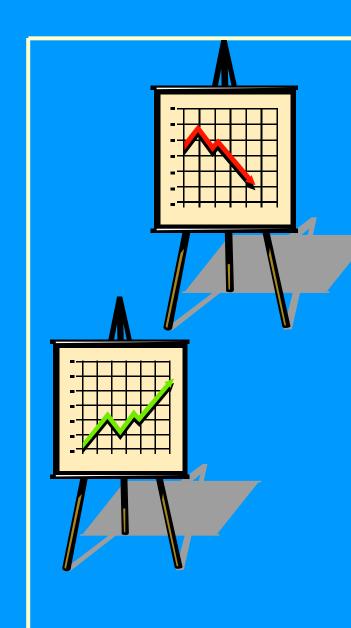
Finding Value in Today's Market

I. Identify methods to capture value in today's interest rate environment

II. Assess the relative value of various securities using analytic tools

III. Avoid common yield traps

Interest Rate Expectations



Interest Rate Expectations

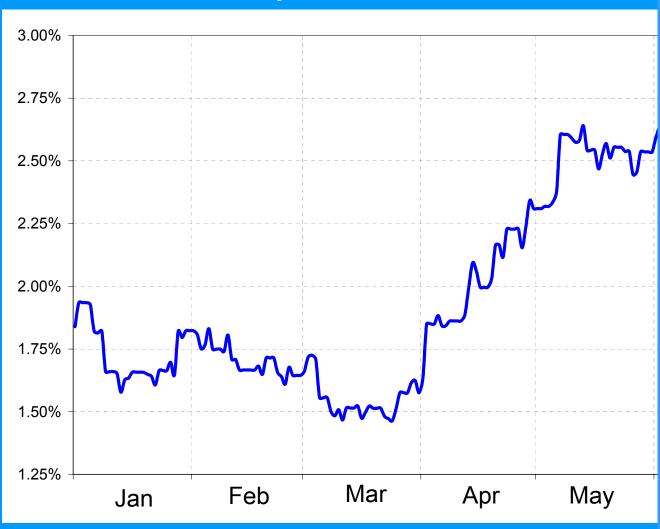
- Interest rates are near historical lows....
- What are your expectations for future interest rates?



- If you expect interest rates to rise...
 - Should you keep all your funds liquid and wait for rates to rise to their highest level before investing?
 - Should you put all your money out longer-term to capture the higher rates?

What Are Your Current Predictions For Future Interest Rates?

2-Year U.S. Treasury Note Yield January 1, 2004 – June 18, 2004



What Are Your Current Predictions For Future Interest Rates?



Investment Tools Help Make Decisions



Do the analytics!

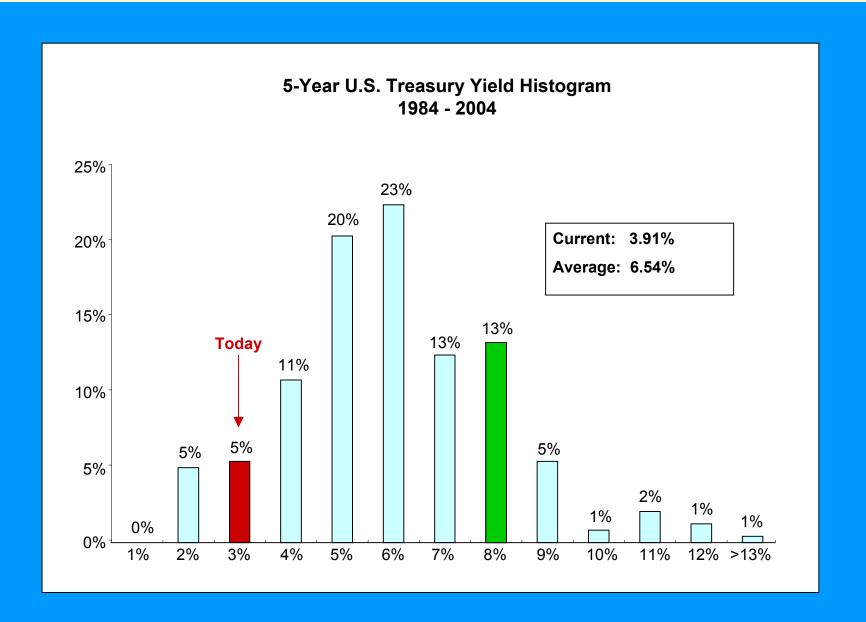
What Is Your Long-Term Investment Strategy?

Cash Flows	Ensure funds are available to meet the cash flow requirements.
Duration Management	Target the duration to take advantage of higher yields without compromising liquidity requirements.
Portfolio Structure	Structure the portfolio to perform well under a wide range of market conditions and over a long time frame.
Credit Quality	Ensure portfolio is safe and avoids significant levels of credit risk.
Return	Seek to safely achieve a return in line with the Merrill Lynch 1-3 Year Government Index.

Investment Tools to Help Make Decisions

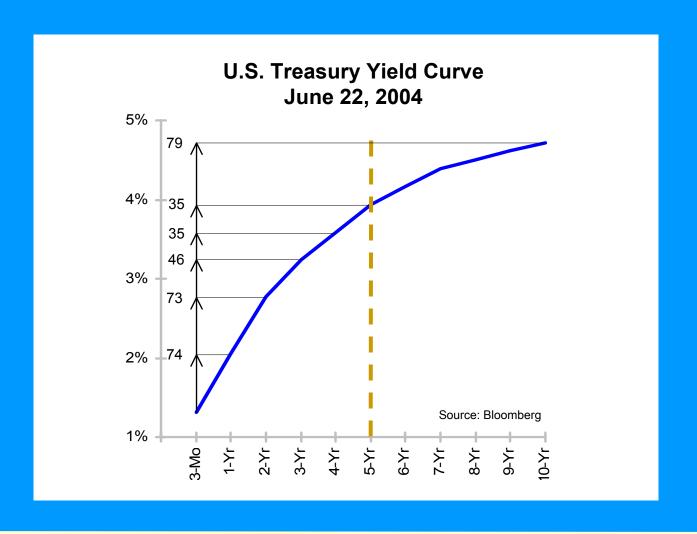
- There are some tools out there to help you determine what to do in these uncertain times.
 - Historical analysis
 - Yield Curve analysis
 - Market expectations
 - Forward-yield curve analysis
 - Breakeven analysis
 - Judgment

Historical Analysis

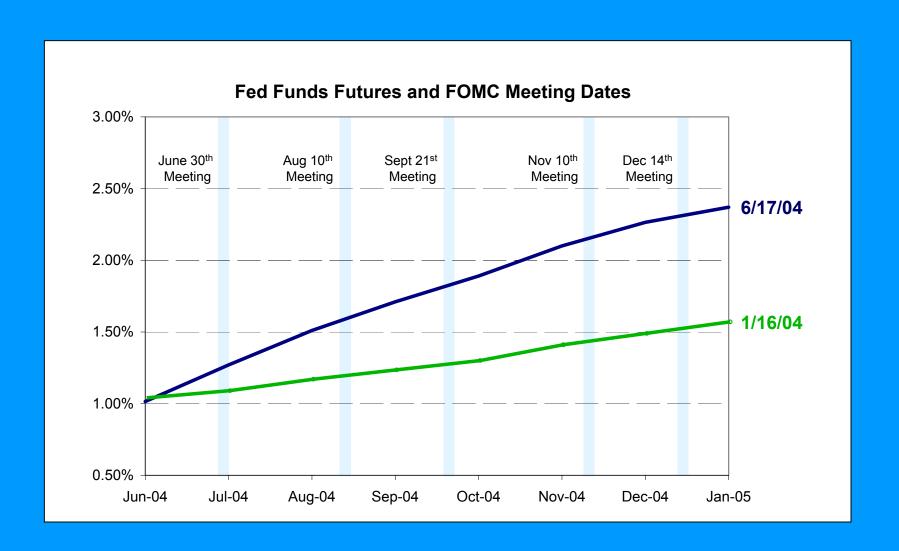


Yield Curve Analysis

 Yield curve analysis allows an investor to the relative value of different maturities.

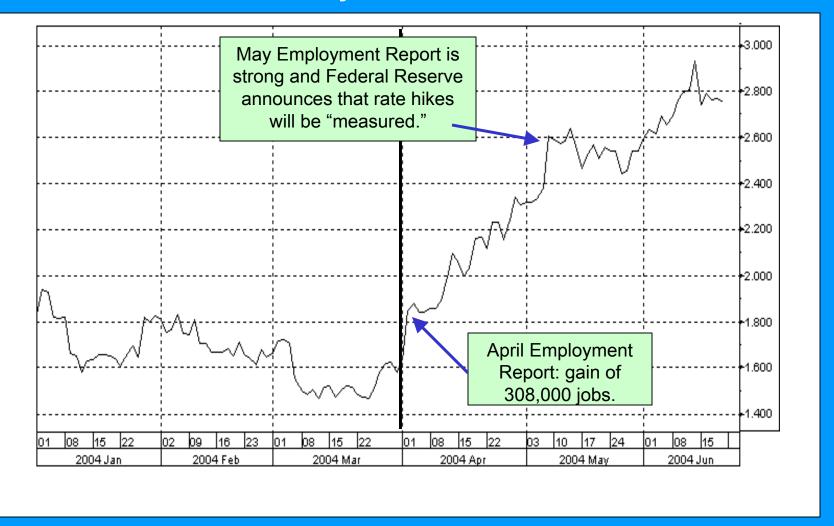


Monitor the Market's Future Rate Expectations



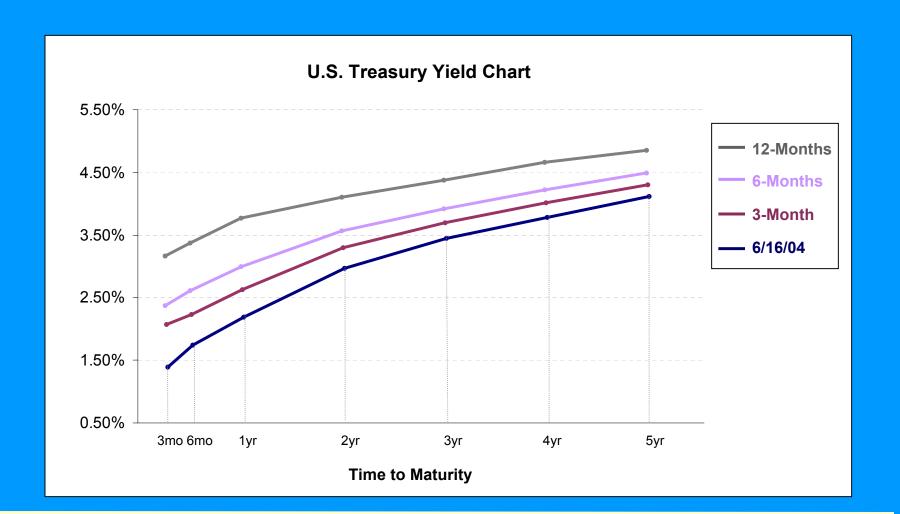
Releases

2-Year U.S. Treasury Yield History January 1, 2004 – June 22, 2004

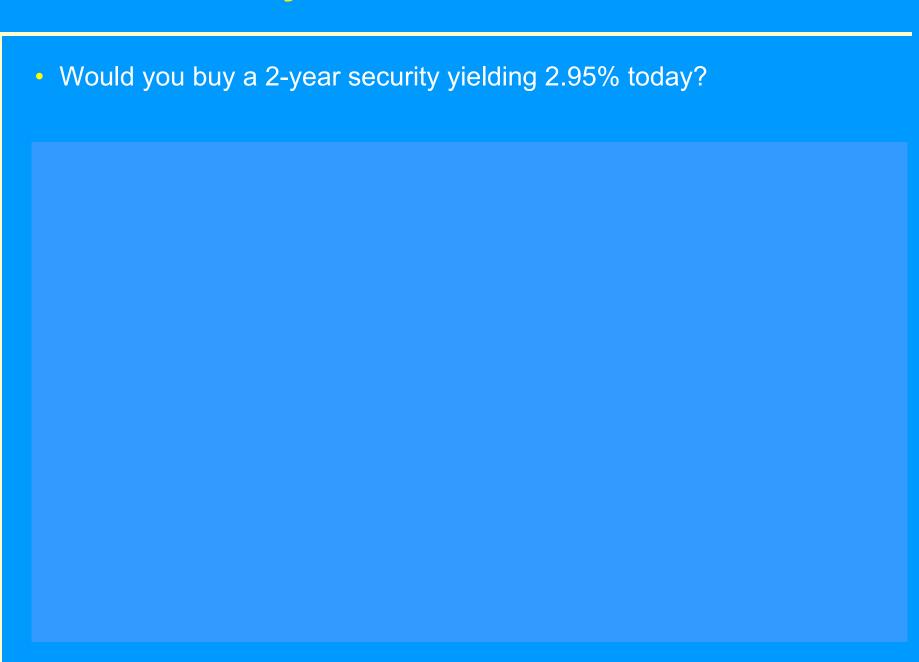


Forward Yield Curve

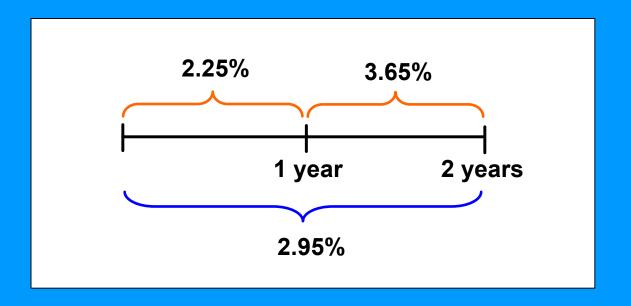
 Forward yield curve analysis allows an investor to evaluate and compare projected yields.



Breakeven Analysis



Breakeven Analysis



$$2.25 * (1 year) + x * (1 year) = 2.95 * (2 years)$$

Judgment

- There are times when you should put more in liquid investments and times to put more out long.
 - After doing all the analytics, sometimes you have to make an informed decision.

All or nothing is the wrong approach.

Evaluate choices in context of your long-term investment plan.

Use your judgment when investing.

Mistakes Investors Make When Searching For Yield



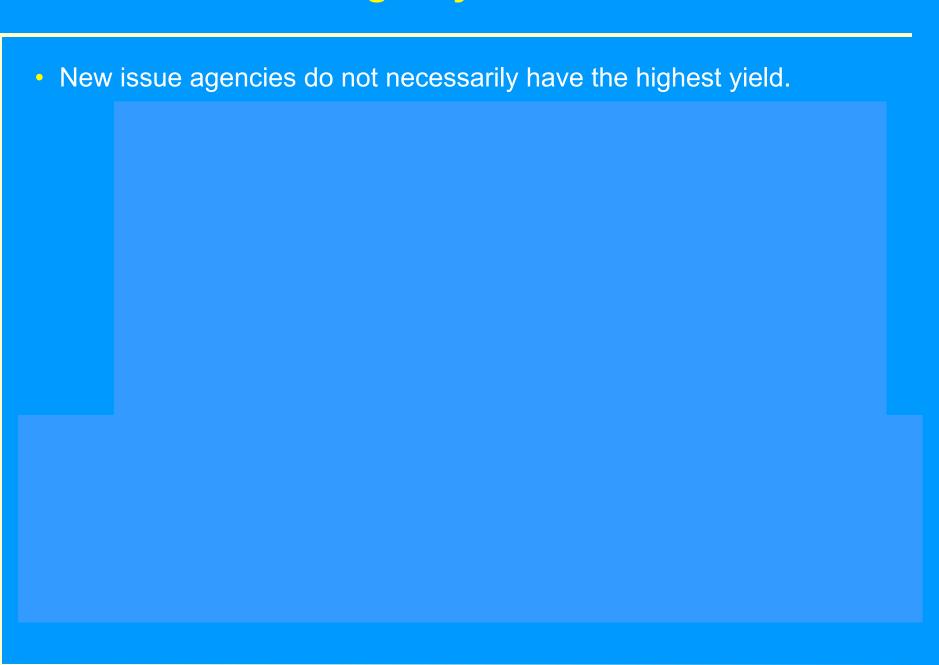
Higher Yielding Investments

Federal Agency notes

Callable notes

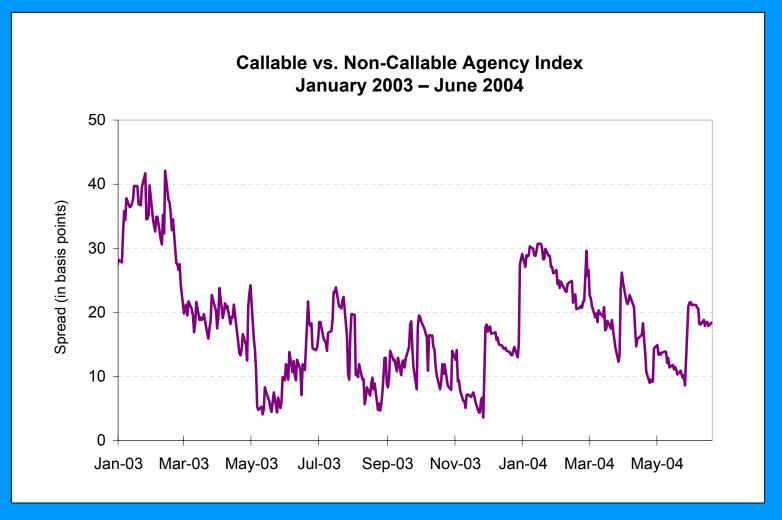
Corporate securities

New Issue Federal Agency Notes



Callable Federal Agency Notes

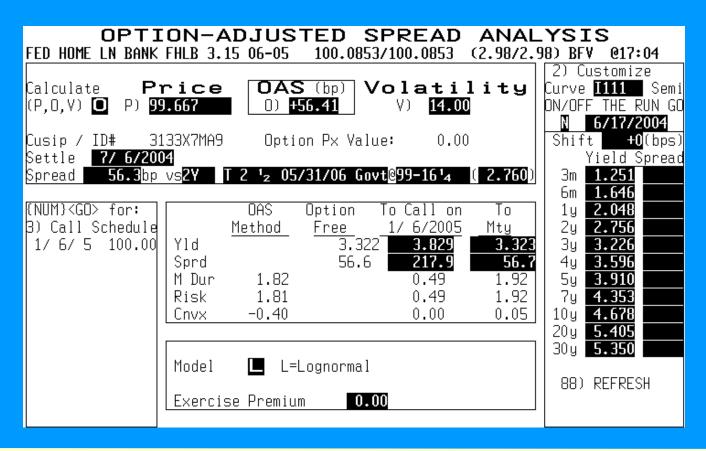
Spreads can help determine advantageous times to buy callables.



^{*} Merrill Lynch 1-3 Year Bullet Agency Index vs. 1-3 Options Only Agency Index

Option-Adjusted Spread Analysis

- Option-Adjusted Spread Analysis (OAS) is one way that investors evaluate callable securities.
- OAS models calculate the value of the call option to arrive at an "option-free" yield spread.



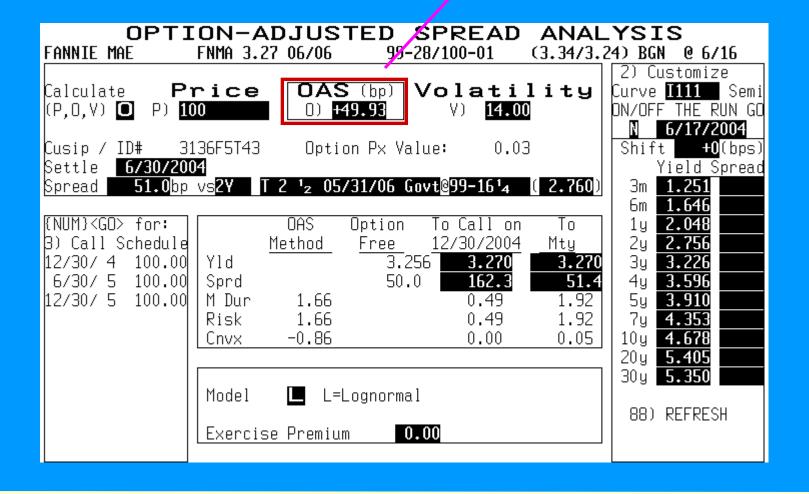
Which Callable Is a Better Buy?

	Option A	Option B
Description	FNMA	FHLB
Maturity Date	June 30, 2006	July 6, 2006
First Call Date	12/30/04	1/6/05
Call Frequency	Semi-annual	One-time
Settles	June 30, 2004	July 6, 2004
Yield to Maturity	3.27%	3.27%

Use Option-Adjusted Spread Analysis To Evaluate Callable Structures

Option A: FNMA

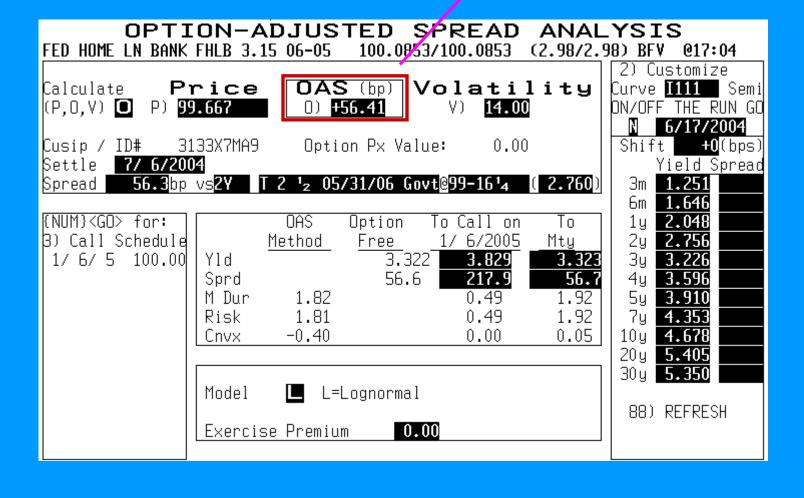
OAS = +49.9



Use Option-Adjusted Spread Analysis To Evaluate Callable Structures

Option B: FHLB

OAS = +56.4



Corporates: Evaluate the Issuer, Not Just the Rating

Verizon 7.65% 6/15/07

Yield to Maturity 3.86%

Aa3 / A+ / AA-

CitiFinancial 6.75% 6/15/07

Yield to Maturity 3.77%

Aa1/AA-/AA+

Corporates: Evaluate Industry Trends

- Not all corporate sectors are created equal
- Financial stability in various corporate sectors changes constantly

Currently Stable Sectors

- Financial services
- Insurance Industry
- Integrated Oil Companies
 - Exxon Mobil
 - Chevron Texaco
- Diversified Conglomerates
 - General Electric
 - 3M Company

Sectors With Financial Uncertainty

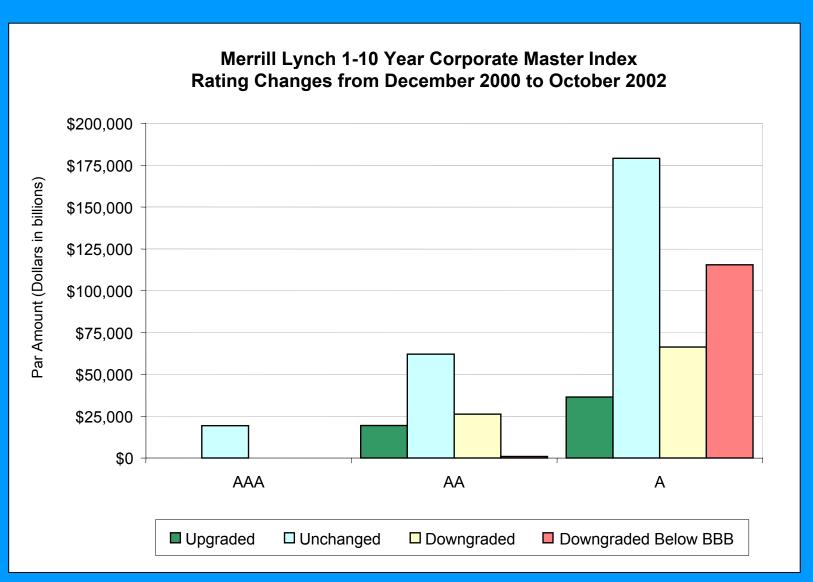
- Utilities
 - Southern California Edison
 - PG&E
- Telecommunications
- Transportation
- High-tech
 - IBM
 - Microsoft

Corporates: Evaluate the Rating

 A study of corporate ratings illustrates that lowers rated corporates don't necessarily provide a significantly higher return.

st 1 year).65%).97% .23%	Past 5 Years 6.11% 6.30% 6.30%	Past 10 Years 6.42% 6.62% 6.63%
).97%	6.30%	6.62%
.23%	6.30%	6 63%
		0.03 /0
0.09%	6.67%	6.84%
0.30%	7.02%	7.08%
0.67%	7.03%	7.10%
	.30%	7.02%

Corporates: Stability of Credit Ratings



Source: Bloomberg

"A" Corporates - Risk vs. Return

Is the higher yield worth the extra credit risk?

	Portfolio A		
Туре	Value	Yield	
LAIF	\$10,000,000	1.45%	
Government	\$35,000,000	2.75%	
"AAA" corporate	\$5,000,000	2.90%	
"AA" corporate	\$5,000,000	3.00%	
"A" corporate	\$5,000,000	3.15%	
Total	\$60,000,000	2.60%	

General Tips for Investing in Today's Market



Dos and Don'ts in Finding Value

Do the Analytics!

- Historical analysis
- Yield curve analysis
- Forward-yield curve
- Breakeven analysis
- Option-adjusted spread analysis

Avoid yield traps!

- New-issue Federal Agencies
- Callables with narrow spreads
- Low-grade corporates
- Odd structured securities

Consider your long-term investment plan
Use your judgment



Most Important Tip

Use a gradual, measured approach

